

New Wheat Variety in Maharashtra

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In News

Farmers now have a wheat variety developed by Indian scientists with **significantly high yield**. The chapati from the flour of this wheat also scores high on quality. This wheat variety called **MACS 6478 and developed by Scientists from Agharkar Research Institute (ARI), an autonomous institute of the Department of Science and Technology (DST), Government of India**, has doubled the crop yield for farmers in Karanjkhop, a village in Maharashtra.

More About MACS 6478

- The farmers of the village in Koregaon tehsil of **Satara district in Maharashtra** are now getting a **yield of 45-60 quintal per hectare with the new variety as against earlier average yield ranging 25-30 quintal per hectare** when they cultivated **Lok 1, HD 2189 and other old varieties**.
- The newly developed common wheat or bread wheat, also called **high yielding Aestivum, matures in 110 days and is resistant to most races of leaf and stem rust**. The **amber colored medium sized grain** contains 14% protein, 44.1 ppm zinc and 42.8 ppm iron which is higher than other cultivated varieties. A research paper on this variety has been published in 'International Journal of Current Microbiology and Applied Sciences'.
- The chapati quality of flour of this wheat is excellent, having a score of 8.05 with good bread quality scoring 6.93. Maharashtra State seed agency for seed multiplication, **'Mahabeej'** is carrying out certified seed production of MACS 6478 for use by farmers.

- With the efforts of a former seed certification officer and support from ARI staff, so far 10 farmers of the village have cultivated this variety on fourteen acres of land. Farmers of Karanjkhop have planned to establish a company for further seed production and other agricultural produce.